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PATNO IS 5667504

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1. 5,667,504, Sep. 16, 1997, Process for the adjustment of a switchable flow limiting apparatus, and an apparatus operating according to the process, Baumann, Hans, Bahnhofstrasse 12a, 24223 Raisdorf, Federal Republic of Germany Otto, Karl-Heinz, AmHochbehalter 13, 24146 Kiel, Federal Republic of Germany Hinrichs, Kai-Jurgen, Holtenauer Strasse 116, 24118 Kiel, Federal Republic of Germany Graczyk, Wolfgang, Randersstrasse 2, 24109 Kiel, Federal Republic of Germany Peters, Jorg-Roger, Dorfstrasse 20, 24241 Schmalstede, Federal Republic of Germany

CORE TERMS: infusion, flow-limiting, energy, valve, adjustment, appliance, path, medicament, throttle, pump...

1. 5,667,504, Sep. 16, 1997, Process for the adjustment of a switchable flow limiting apparatus, and an apparatus operating according to the process, Baumann, Hans, Bahnhofstrasse 12a, 24223 Raisdorf, Federal Republic of Germany Otto, Karl-Heinz, AmHochbehalter 13, 24146 Kiel, Federal Republic of Germany Hinrichs, Kai-Jurgen, Holtenauer Strasse 116, 24118 Kiel, Federal Republic of Germany Graczyk, Wolfgang, Randersstrasse 2, 24109 Kiel, Federal Republic of Germany Peters, Jorg-Roger, Dorfstrasse 20, 24241 Schmalstede, Federal Republic of Germany

5,667,504

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Sep. 16, 1997

Process for the adjustment of a switchable flow limiting apparatus, and an apparatus operating according to the process

REISSUE: Reissue Application filed Sep. 16, 1999 (O.G. Nov. 23, 1999) Ex. Gp.: 3735; Re. S.N. 09/398,854

CORE TERMS: infusion, flow-limiting, energy, valve, adjustment, appliance, path, medicament, throttle, pump...

5,667,504 OR 5667504

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Search statement 1

?pn us5667504

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1/1 LGST - (C) LEGSTAT

Patent Number -US 5667504 [US5667504]

Application Number -US 321638/94 19941011 [1994US-0321638]

Document Type -US-P

Action Taken -19941011 US/AE-A

APPLICATION DATA (PATENT)

{US 321638/94 19941011 [1994US-0321638]}

-19941130 US/AS02

ASSIGNMENT OF ASSIGNEE'S INTEREST

CARL-ZEISS-STIFTUNG 89518 HEIDENHEIM (BRENZ), GERMANY *

BAUMANN, HANS : 19941007; OTTO, KARL-HEINZ : 19941007;

HINRICHES, KAI-JURGEN : 19941007; PETERS, JORG-ROGER :

19941007; G : 19941007

-19970916 US/A

PATENT

-19991123 US/RF

REISSUE APPLICATION FILED

19990916

Update Code -1999-47

?file lita

(C) LITA

Selected file: LITA

Search statement 1

?nbr /pn us5667504

1	3	US5666745
2	1	US5666766
3	1	US5666789
4	1	US5667183
5	1	US5667291

6 1 US5667520
7 2 US5667593
8 1 US5667763
9 1 US5668575
10 1 US5668828
11 1 US5670200
12 1 US5670347
13 7 US5670537
14 2 US5670943
15 2 US5670988

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Search statement 3

?nbr /pn us5667504

1 1 US5667491
2 2 US5667492
3 2 US5667494
4 1 US5667503
5 1 US5667504
6 2 US5667520
7 1 US5667521
8 1 US5667537
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** SS 3: Results 1

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1/1 PAST - (C) PAST
Accession Number - 199947-001384
Patent Number - 5667504 A [US5667504]
Official Gazette Date-1999-11-23
Actions -REISSUE APPLICATION FILED

1 1 US5667520
2 1 US5667593
3 1 US5667763
4 1 US5668575
5 1 US5668828
6 1 US5670200
7 1 US5670347
8 7 US5670537
9 2 US5670943
10 2 US5670988



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Set Items Description
S1 1 PN=US 5667504

1/9/1

DIALOG(R) File 345:Inpadoc/Fam.& Legal Stat
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12286777

Basic Patent (No,Kind,Date): EP 647453 A1 950412 <No. of Patents: 003>

PATENT FAMILY:

GERMANY (DE)

Patent (No,Kind,Date): DE 4334247 A1 950413

VERFAHREN ZUR VERSTELLUNG EINER SCHALTBAREN DURCHFLUSSBEGRENZENDEN
VORRICHTUNG UND EINE NACH DEM VERFAHREN ARBEITENDE VORRICHTUNG
(German)

Patent Assignee: ANSCHUETZ & CO GMBH (DE)

Author (Inventor): BAUMANN HANS DR (DE); OTTO KARL-HEINZ (DE);
GRACZYK WOLFGANG (DE); HINRICH KAI-JUERGEN (DE); PETERS
JOERG-ROGER (DE)

Priority (No,Kind,Date): DE 4334247 A 931008

Applic (No,Kind,Date): DE 4334247 A 931008

IPC: * A61M-005/172; F15B-013/01

Derwent WPI Acc No: * G 95-140564

Language of Document: German

1/9/1
GERMANY (DE)

Legal Status (No,Type,Date,Code,Text):

DE 4334247 P 931008 DE AE DOMESTIC APPLICATION (PATENT
APPLICATION) (INLANDSANMELDUNG
(PATENTANMELDUNG))

DE 4334247 A 931008

DE 4334247 P 950413 DE A1 LAYING OPEN FOR PUBLIC
INSPECTION (OFFENLEGUNG)

DE 4334247 P 960404 DE 8127 NEW PERSON/NAME/ADDRESS OF THE
APPLICANT (AENDERUNG IN PERSON, NAMEN ODER
WOHNORT DES ANMELDERS)
OPTON FEINTECHNIK KIEL GMBH, 24106 KIEL, DE

EUROPEAN PATENT OFFICE (EP)

Patent (No,Kind,Date): EP 647453 A1 950412

METHOD FOR DISPOSING OF A CONTROLLABLE, FLOW REGULATING DEVICE AND
APPARATUS OPERATING ACCORDING TO THE METHOD. (English; French;
German)

Patent Assignee: ANSCHUETZ & CO GMBH (DE)

Author (Inventor): BAUMANN HANS DR (DE); HINRICH KAI-JUERGEN (DE);
OTTO KARL-HEINZ (DE); PETERS JOERG-ROGER (DE); GRACZYK WOLFGANG
(DE)

Priority (No,Kind,Date): DE 4334247 A 931008

Applic (No,Kind,Date): EP 94114838 A 940921

Designated States: (National) DE; ES; FR; GB; IT

IPC: * A61M-005/168; A61M-005/172; A61M-005/155

Derwent WPI Acc No: * G 95-140564; G 95-140564

Language of Document: German

EUROPEAN PATENT OFFICE (EP)

Legal Status (No,Type,Date,Code,Text):

EP 647453	P 931008	EP AA DE 4334247 A 931008	PRIORITY (PATENT APPLICATION) (PRIORITAET (PATENTANMELDUNG))
EP 647453	P 940921	EP AE EP 94114838 A 940921	EP-APPLICATION (EUROPAEISCHE ANMELDUNG)
EP 647453	P 950412	EP AK DE ES FR GB IT	DESIGNATED CONTRACTING STATES IN AN APPLICATION WITH SEARCH REPORT: (IN EINER ANMELDUNG BENANNTE VERTRAGSSTAATEN)
EP 647453	P 950412	EP A1	PUBLICATION OF APPLICATION WITH SEARCH REPORT (VEROEFFENTLICHUNG DER ANMELDUNG MIT RECHERCHENBERICHT)
EP 647453	P 950830	EP 17P 950705	REQUEST FOR EXAMINATION FILED (PRUEFUNGSANTRAG GESTELLT)
EP 647453	P 951206	EP RAP1 OPTON FEINTECHNIK KIEL GMBH	APPLICANT (CORRECTION) (ANMELDER (KORR.))
EP 647453	P 990707	EP 17Q 19990519	FIRST EXAMINATION REPORT (ERSTER PRUEFUNGSBESCHEID)

UNITED STATES OF AMERICA (US)

Patent (No,Kind,Date): US 5667504 A 970916
PROCESS FOR THE ADJUSTMENT OF A SWITCHABLE FLOW LIMITING APPARATUS, AND AN APPARATUS OPERATING ACCORDING TO THE PROCESS (English)

Patent Assignee: BAUMANN HANS (DE); OTTO KARL-HEINZ (DE); HINRICHSH KAI-JURGEN (DE); GRACZYK WOLFGANG (DE); PETERS JORG-ROGER (DE)
Author (Inventor): BAUMANN HANS (DE); OTTO KARL-HEINZ (DE); HINRICHSH KAI-JURGEN (DE); GRACZYK WOLFGANG (DE); PETERS JORG-ROGER (DE)

Priority (No,Kind,Date): DE 4334247 A 931008

Applc (No,Kind,Date): US 321638 A 941011

National Class: * 604891100; 604152000; 128903000

IPC: * A61K-009/22

Derwent WPI Acc No: * G 95-140564

Language of Document: English

UNITED STATES OF AMERICA (US)

Legal Status (No,Type,Date,Code,Text):

US 5667504	P 931008	US AA DE 4334247 A 931008	PRIORITY (PATENT)
US 5667504	P 941011	US AE US 321638 A 941011	APPLICATION DATA (PATENT) (APPL. DATA (PATENT))
US 5667504	P 941130	US AS02 CARL-ZEISS-STIFTUNG 89518 HEIDENHEIM (BRENZ), GERMANY ; BAUMANN, HANS : 19941007; OTTO, KARL-HEINZ : 19941007; HINRICHSH, KAI-JURGEN : 19941007; PETERS, JORG-ROGER : 19941007; G : 19941007	ASSIGNMENT OF ASSIGNOR'S INTEREST
US 5667504	P 970916	US A	PATENT
US 5667504	P 991123	US RF (REISSUE APPL. FILED) 19990916	REISSUE APPLICATION FILED